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(54) One-part polysulfide-based sealant compositions.

(57) A one-part polysulfide sealant composition comprises a mercaptan-terminated liquid polysulfide, an oxidising agent to cure the catalyst a desiccant such as a molecular sieve, to keep the composition dry and thus prevent premature activation of the catalyst, and a cure accelerator having an acrylate or methacrylate functionality of 2 or more, preferably an acrylated liquid polysulfide or a polyfunctional methacrylate monomer. The use of this accelerator avoids the need for toxic amounts of barium oxide desiccant and substantially shortens the tack-free time on curing.

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EUROPEAN SEARCH REPORT

Application Number

EP 92 31 1416

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D, Y	EP-A-0 377 485 (MORTON INTERNATIONAL LIMITED) * the whole document *	1,4-6,8, 11-15	C09K3/10
Y	PATENT ABSTRACTS OF JAPAN vol. 14, no. 539 28 November 1990 & JP-A-22 28 388 (YOKOHAMA) 1 March 1989 * abstract *	1,4-6,8, 11-15	
Y	DE-A-1 906 002 (THE B.F. GOODRICH COMPANY) * the whole document *	1,4-6,8, 11-15	
A	EP-A-0 194 361 (RUTGERSWERKE) * claims; examples *	1,4-6	
A	DE-A-1 945 457 (DIAMOND SHAMROCK CORP.) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C09K C08G
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of compilation of the search	Examiner	
THE HAGUE	20 JULY 1993	PUETZ C.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			